

Aqua

Temperature Control
Specialists.

Process Cooling Solutions Overview



What Do We Do?

At Aqua, our ethos is based on working with our clients to give them the competitive edge within their industry sector, increasing their profit margin and ensuring they can meet their customers' expectations. Our Sales Solutions team work hand in hand with our Hire and Service divisions to offer a 360° approach to your temperature control requirements. Our aim is to build life-long relationships with customers, to make a difference to their business and to be viewed as their go-to supplier.

Our Services:



System Design

Technical drawings, 3D modelling and energy calculations



Project Management & Delivery

Mechanical and electrical installation, civil works, pipework, full CDM compliance



Efficiency Optimisation

Lower your operating cost and maximise ROI



Continuous Operation

Ensures seamless operation of your critical process cooling plant, keeping any downtime to an absolute minimum

How Do We Do It?

We design and deliver market-leading process cooling solutions, with a focus on energy efficiency, technical excellence, and great customer service. With Engineers based across the UK we provide a local service, delivered nationally. Aqua has decades of experience, specifying and installing systems from just a few kW to 100MW+. We have worked across a myriad of different industries and bring the benefit of that specialist knowledge and experience to each and every project. We work collaboratively with our clients and believe our core values – including excellence, care, and a can-do attitude – set us apart from the competition.



Why Aqua?



360° Approach

Our Sales, Service and Hire divisions work closely together to ensure customers' changing needs are always met, saving them time and resource



A Market Leader

We bring a plethora of experience and expertise with us, and one of our proudest moments was winning a Queen's Award for Enterprise: Innovation



Small Enough To Care

As an independent, we pride ourselves on the personalised service we are able to offer; to us you're not just a name but a valued brand partner



Truly Independent

As a business, we are not tied to any one product range, allowing us true flexibility and scope



Nationwide Coverage & Global Supply

Our Engineers are based across the UK, so can easily come to site to guide and advise you on the best approach for your specific objectives. We also work on sites worldwide for our UK client base



Technical Expertise

Our Engineers are specialists within their field, with extensive product and application knowledge





Product Range

Chillers - Air and water-cooled, 1kW to 1MW+, fluid temperature requirements ranging from -30°C to +50°C. Options include Turbocor, scroll, screw and inverter-driven compressor, plate or shell & tube evaporator, EC/AC fans and a range of low GWP refrigerants including propane. Bespoke units available.

Free Cooling - Integrated free cooling units from 30kW to 1.2MW as well as bolt-on free coolers as a retrofit option. Payback possible within as little as 4 months depending on setpoint and usage.

Cooling Towers - from 150kW to MW+, with a temperature range of 23°C to 60°C. Available in stainless 316 or 304, galvanised or GRP construction with options for low noise and small footprint.

Adiabatic Coolers - From 50kW to MW+, standard spray system using mains water or inverter driven pump spray system for maximum efficiency.



Dry Air Coolers - Diverse range which can be custom designed to suit temperature required, available space and noise limitations.

Data Centre Cooling - Specialist cooling system design, including rear doors, in rows, CRAC units, smart CDUs, immersion technology and our unique, award-winning, Leak Prevention System.

Custom-made Pump Skids - heat exchangers, tanks and pump skids for the process market. Designed to work with all fluid types, pressures and temperatures.

Oil Coolers - industrial units with either plate type coolers on clean oil supplies or shell and tube on contaminated systems. Coil in-tank option available.

Success Stories

Energy Saving System for Packaging Giant

Aqua installed a tower-based cooling system for an automotive component manufacturer to provide cooling to their hydraulic oil and spot-welding process. It was designed as a completely centralised cooling plant to feed the different stages of the manufacturing process. The cooling tower selected was constructed from 304 stainless steel, with aluminium fan blades and quiet operation option.

Our design team selected a crossflow configured tower, giving energy saving benefits within a small footprint but with a relatively low maintenance requirement. Inspection, servicing, and maintenance is made easier by large access doors. The tower's plenum region is generous, which means it is quick to carry out a visual inspection of the tower's basin, as well as the internal structure and mechanical equipment.

In addition, we built a pump set that could offer run and standby, using inverters to ensure automatic change over and eliminating the need for manual intervention. As well as gaining system efficiency, they have also added maximum reliability to their system.

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Stainless Steel Tower Drives Production Forward

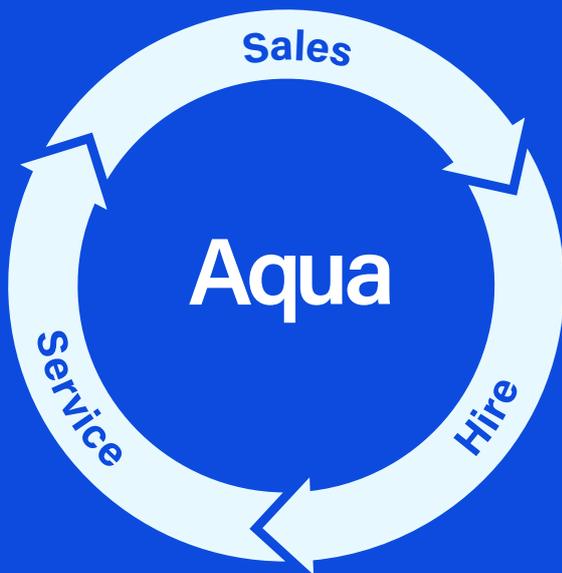
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Propane Chillers Future-Proof Dairy

Propane chiller technology has ensured a dairy plant in the North of England is not only highly energy efficient but also extremely environmentally friendly.

Aqua were commissioned to design a replacement cooling system for the dairy processing facility who provide goats' milk to supermarkets across the UK. Future proofing the dairy for the years ahead was a key driver in the decision-making process which, coupled with the phase-out of hydrofluorocarbons (HFCs), made R290 propane being the refrigerant of choice.

Aqua supplied two R290 propane chillers, a process tank, inverter driven process pumps, carried out the full design, mechanical installation & commissioning, as well as providing full peace of mind with a Preventative Maintenance Plan. As well as achieving an extremely efficient and high-performing system, the client has dramatically reduced their overall carbon footprint overall.



Sales, Hire, Service. Nationwide Coverage, Local Presence.

Aqua are temperature control specialists, committed to designing & delivering market-leading solutions with a focus on energy efficiency, technical excellence and great customer service. Our Sales, Hire & Service divisions work together to offer a 360° approach.

With Engineers located across the UK, we deliver a local service with all the benefits you'd expect from a national company. Our Service Engineers are all F-Gas registered and Aqua are ISO 9001 and SafeContractor accredited.

Whether you're looking to purchase equipment, hire on a short or longer term basis, or needing support with service, maintenance & parts, we can help.

Contact us today and discover the Aqua Difference.



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